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LAMPIRAN

PEMBEN AH TANAH	JENIS TANAH		
	T1	T2	T3
P1	P1T1	P1T2	P1T3
P2	P2T1	P2T2	P2T3
P3	P3T1	P3T2	P3T3

lampiran 1 kombinasi perlakuan

P1T1U1	P3T1U2	P3T1U3	P1T1U3	P2T3U2	P3T3U2	P2T2U3	P2T1U4	P1T1U5
P2T1U1	P1T2U2	P1T3U2	P1T2U3	P3T2U3	P2T1U3	P3T3U4	P1T3U5	P2T3U5
P3T1U1	P1T3U1	P2T3U1	P3T2U2	P3T3U3	P1T2U5	P1T3U4	P2T1U5	P2T2U5
P1T2U1	P1T1U2	P2T1U2	P3T1U4	P3T3U1	P1T1U4	P2T3U4	P2T2U4	P3T3U5
P2T2U1	P2T2U2	P3T2U1	P1T2U4	P1T3U3	P3T3U3	P3T2U4	P3T1U5	P3T2U5

lampiran 2 lay out

KETERANGAN:

Bahan pembenah tanah

P1 = Solid (500 g)

P2 = Abu tandan kosong (500 g)

P3 = Tandan Kosong Kelapa Sawit (500g)

Jenis tanah

T1 = Regosol

T2 = Latosol

T3 = Grumusol

lampiran 3 hasil uji anova pertambahan tinggi tanaman

Tests of Between-Subjects Effects

Dependent Variable: pertambahan_tinggi_tanaman

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	64.230 ^a	8	8.029	2.286	.043
Intercept	1651.350	1	1651.350	470.172	.000
Pembenah_tanah	5.515	2	2.758	.785	.464
Tanah	.923	2	.462	.131	.877
Pembenah_tanah * Tanah	57.792	4	14.448	4.114	.008
Error	126.440	36	3.512		
Total	1842.020	45			
Corrected Total	190.670	44			

a. R Squared = ,337 (Adjusted R Squared = ,190)

ANOVA

pertambahan_tinggi_tanaman

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	64.230	8	8.029	2.286	.043
Within Groups	126.440	36	3.512		
Total	190.670	44			

pertambahan_tinggi_tanaman

		Subset for alpha = 0.05	
		1	2
Duncan ^a	Interaksi	N	
	P3T2	5	4.4000
	P2T3	5	4.7600
	P1T1	5	4.9400
	P1T3	5	5.3800
	P3T1	5	6.2200
	P1T2	5	6.5000
	P2T1	5	6.7400
	P3T3	5	7.7000
	P2T2	5	7.8800
Sig.		.094	.070

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,000.

lampiran 4 hasil uji anova diameter batang

Tests of Between-Subjects Effects

Dependent Variable: pertambahan_diameter_batang

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	69.211 ^a	8	8.651	1.401	.229
Intercept	3347.147	1	3347.147	542.068	.000
Pembenah_tanah	13.036	2	6.518	1.056	.359
Tanah	4.214	2	2.107	.341	.713
Pembenah_tanah * Tanah	51.961	4	12.990	2.104	.101
Error	222.292	36	6.175		
Total	3638.650	45			
Corrected Total	291.503	44			

a. R Squared = ,237 (Adjusted R Squared = ,068)

lampiran 5 hasil uji anova pertambahan jumlah daun

Tests of Between-Subjects Effects

Dependent Variable: pertambahan_jumlah_daun

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	8.178 ^a	8	1.022	2.875	.014
Intercept	1323.022	1	1323.022	3721.000	.000
Pembenah_tanah	6.711	2	3.356	9.438	.001
Tanah	.311	2	.156	.438	.649
Pembenah_tanah * Tanah	1.156	4	.289	.812	.526
Error	12.800	36	.356		
Total	1344.000	45			
Corrected Total	20.978	44			

a. R Squared = ,390 (Adjusted R Squared = ,254)

pertambahan_jumlah_daunDuncan^{a,b}

Pembenah_tanah	N	Subset	
		1	2
P1	15	5.0000	
P2	15	5.3333	
P3	15		5.9333
Sig.		.135	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .356.

a. Uses Harmonic Mean Sample Size = 15.000.

b. Alpha = .05.

Tests of Between-Subjects Effects

Dependent Variable: panjang_daun

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	261.347 ^a	8	32.668	1.788	.112
Intercept	52156.089	1	52156.089	2853.854	.000
Pembenah_tanah	78.008	2	39.004	2.134	.133
Tanah	59.347	2	29.674	1.624	.211
Pembenah_tanah * Tanah	123.992	4	30.998	1.696	.172
Error	657.924	36	18.276		
Total	53075.360	45			
Corrected Total	919.271	44			

a. R Squared = .284 (Adjusted R Squared = .125)

lampiran 6 tabel anova panjang daun

lampiran 7 tabel anova lebar daun

Tests of Between-Subjects Effects

Dependent Variable: lebar_daun

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	41.082 ^a	8	5.135	4.145	.001
Intercept	3237.664	1	3237.664	2613.127	.000
Pembenah_tanah	32.616	2	16.308	13.162	.000
Tanah	1.870	2	.935	.755	.478
Pembenah_tanah * Tanah	6.596	4	1.649	1.331	.277
Error	44.604	36	1.239		
Total	3323.350	45			
Corrected Total	85.686	44			

a. R Squared = .479 (Adjusted R Squared = .364)

berat_segar_tajuk

Duncan^{a,b}

Pembenah_tanah	N	Subset	
		1	2
P3	15	12.7787	
P2	15		72.8873
P1	15		79.3540
Sig.		1.000	.311

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 297.639.

a. Uses Harmonic Mean Sample Size = 15.000.

b. Alpha = .05.

lampiran 8 hasil uji anova berat segar tajuk (gr)

Tests of Between-Subjects Effects

Dependent Variable: berat_segar_tajuk

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2390.824 ^a	8	298.853	.774	.628
Intercept	242098.277	1	242098.277	626.956	.000
pembenah_tanah	1005.414	2	502.707	1.302	.285
tanah	697.427	2	348.714	.903	.414
pembenah_tanah * tanah	687.983	4	171.996	.445	.775
Error	13901.359	36	386.149		
Total	258390.459	45			
Corrected Total	16292.183	44			

a. R Squared = .147 (Adjusted R Squared = -.043)

lampiran 9 hasil uji anova berat kering tajuk

Tests of Between-Subjects Effects

Dependent Variable: berat_kering_tajuk

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	511.618 ^a	8	63.952	1.626	.152
Intercept	25717.836	1	25717.836	653.767	.000
Pembenah_tanah	193.313	2	96.657	2.457	.100
Tanah	206.855	2	103.428	2.629	.086
Pembenah_tanah * Tanah	111.449	4	27.862	.708	.592
Error	1416.166	36	39.338		
Total	27645.619	45			
Corrected Total	1927.783	44			

a. R Squared = .265 (Adjusted R Squared = .102)

lampiran 10 hasil uji anova berat segar akar

Tests of Between-Subjects Effects

Dependent Variable: berat_segar akar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1030.615 ^a	8	128.827	2.276	.044
Intercept	27891.487	1	27891.487	492.698	.000
Pembenah_tanah	468.183	2	234.092	4.135	.024
Tanah	299.876	2	149.938	2.649	.085
Pembenah_tanah * Tanah	262.556	4	65.639	1.159	.345
Error	2037.950	36	56.610		
Total	30960.052	45			
Corrected Total	3068.565	44			

a. R Squared = .336 (Adjusted R Squared = .188)

berat_segar_akar

Duncan^{a,b}

Pembenah_tanah	N	Subset	
		1	2
P3	15	20.7020	
P2	15	25.4393	25.4393
P1	15		28.5467
Sig.		.093	.266

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 56.610.

a. Uses Harmonic Mean Sample Size = 15.000.

b. Alpha = .05.

lampiran 11 berat kering akar

Tests of Between-Subjects Effects

Dependent Variable: berat_kering_akar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	158.512 ^a	8	19.814	1.733	.124
Intercept	4523.029	1	4523.029	395.682	.000
Pembenah_tanah	65.756	2	32.878	2.876	.069
Tanah	60.101	2	30.051	2.629	.086
Pembenah_tanah * Tanah	32.655	4	8.164	.714	.588
Error	411.515	36	11.431		
Total	5093.056	45			
Corrected Total	570.027	44			

a. R Squared = .278 (Adjusted R Squared = .118)

lampiran 12 hasil uji anova panjang akar

Tests of Between-Subjects Effects

Dependent Variable: panjang_akar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	735.710 ^a	8	91.964	2.572	.025
Intercept	63814.870	1	63814.870	1784.477	.000
Pembenah_tanah	94.455	2	47.228	1.321	.280
Tanah	39.688	2	19.844	.555	.579
Pembenah_tanah * Tanah	601.566	4	150.392	4.205	.007
Error	1287.400	36	35.761		
Total	65837.980	45			
Corrected Total	2023.110	44			

a. R Squared = .364 (Adjusted R Squared = .222)

ANOVA

panjang_akar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	735.710	8	91.964	2.572	.025
Within Groups	1287.400	36	35.761		
Total	2023.110	44			

panjang_akarDuncan^a

Interaksi	N	Subset for alpha = 0.05		
		1	2	3
P2T2	5	30.7000		
P3T1	5	34.5000	34.5000	
P3T2	5	36.1000	36.1000	36.1000
P3T3	5	36.2800	36.2800	36.2800
P1T1	5	36.4800	36.4800	36.4800
P1T3	5	36.6200	36.6200	36.6200
P2T3	5		41.6200	41.6200
P1T2	5		42.2200	42.2200
P2T1	5			44.4000
Sig.		.178	.084	.063

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

lampiran 13 hasil uji anova volume akar

Tests of Between-Subjects Effects

Dependent Variable: volume_akar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1233.378 ^a	8	154.172	2.310	.041
Intercept	33238.422	1	33238.422	497.912	.000
Pembenah_tanah	554.844	2	277.422	4.156	.024
Tanah	365.644	2	182.822	2.739	.078
Pembenah_tanah * Tanah	312.889	4	78.222	1.172	.340
Error	2403.200	36	66.756		
Total	36875.000	45			
Corrected Total	3636.578	44			

a. R Squared = .339 (Adjusted R Squared = .192)

volume_akar

Duncan^{a,b}

Pembenah_tanah	N	Subset	
		1	2
P3	15	22.6000	
P2	15	27.8000	27.8000
P1	15		31.1333
Sig.		.090	.271

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 66.756.

a. Uses Harmonic Mean Sample Size = 15.000.

b. Alpha = ,05.

Daftar gambar



Gambar 1 Pengayakan tanah



Gambar 2 Penimbangan dosis



Gambar 3 Pencampuran tanah dan bahan pemebehan tanah



Gambar 4 Transplanting PN ke MN



Gambar 5 Penyusunan bibit



Gambar 6 Pengamatan bibit



Gambar 7 Pemanenan bibit



Gambar 8 penimbangan berat segar akar



Gambar 9 volume akar



Gambar 10 pengeringan tanah



Gambar 11 Kadar lengas tanah



Gambar 12 Pengecekan C organik



Gambar 13 pengecekan ph